

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

Danisco

Mid-America Manufacturing Technology Center

Danisco Reduces Raw Materials, Energy Costs and Scrap Rates

Client Profile:

Danisco is one of the world's leading producers of ingredients for food and other consumer products. Its facility in New Century, Kansas produces emulsifiers and specialty fats for use in food products like bread, margarine, cakes, ice cream, dairy products, and confectionery. The facility has been in operation since 1980 and currently employs 300 people.

Situation:

Danisco continuously looks for new ways to improve its efficiency and its ability to respond to customer demand. Danisco contacted the Mid-America Manufacturing Technology Center (MAMTC), a NIST MEP affiliate, for advice.

Solution:

MAMTC recommended the incorporation of Lean practices in Danisco's manufacturing processes and directed the company through Value Stream Mapping (VSM) training. During the VSM exercises, a current state map was developed and compared to a future state map to uncover any non-value-added steps. Danisco, with assistance from MAMTC, implemented changes based on the results of the VSM using Lean concepts and techniques including cellular manufacturing. MAMTC then led the company through 5S training. 5S is a system to improve and standardize the work environment for safe and effective operation. Establishing an organized workplace is essential to create effective and efficient manufacturing cells. As a result of the Lean training, Danisco was able to avoid decrease energy costs, reduce inventory and raw material use, retain jobs, and invest in capital improvements.

Results:

- * Realized \$1.12 million in cost savings.
- * Invested \$2,591,000 in capital investments.
- * Retained 2 jobs.
- * Reduced scrap material.

Testimonial:

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